

## WEST Search History

DATE: Wednesday, September 05, 2007

<u>Hide?</u>	<u>Set Name Query</u>	<u>Hit Count</u>
<i>DB=PGPB,USPT,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=ADJ</i>		
<input type="checkbox"/>	L3 L2 and water	53
<input type="checkbox"/>	L2 L1 and (sodium chloride or magnesium chloride or calcium chloride)	53
<input type="checkbox"/>	L1 hard capsule.clm. and chloride	88

END OF SEARCH HISTORY

ACCESSION NUMBER: 1993:436974 BIOSIS Full-text  
DOCUMENT NUMBER: PREV199396091599  
TITLE: New hard **capsules** prepared from **water**-soluble **cellulose** derivative.  
AUTHOR(S): Matsuura, Seinosuke; Yamamoto, Taizo  
CORPORATE SOURCE: Manufacturing Dep., Japan Elanco Co. Ltd., 321-5, Ikesawa-cho, Yamatokoriyama 639-11, Japan  
SOURCE: Yakuzaigaku, (1993) Vol. 53, No. 2, pp. 135-140.  
CODEN: YAKUA2. ISSN: 0372-7629.  
DOCUMENT TYPE: Article  
LANGUAGE: Japanese  
ENTRY DATE: Entered STN: 22 Sep 1993  
Last Updated on STN: 23 Sep 1993  
ABSTRACT: New hard **capsules** were developed using \*\*\*hydroxypropylmethylcellulose\*\*\* (HPMC). The ordinary method "mold pin dipping method" has become available to prepare HPMC **capsules** in industrial scale by adjusting the gelation temperature (35 degree C) of HPMC solution added with carrageenan (ca. 0.2%) and potassium **chloride** (ca. 0.1%). The equilibrium moisture content of HPMC **capsules** was about half or one third of gelatin **capsules**. HPMC **capsules** had sufficient mechanical strength even at the low moisture content (nearly 18%) in both the shock and the press tests. On the other hand, gelatin \*\*\*capsules\*\*\* were brittle below 10% moisture. Therefore, HPMC \*\*\*capsules\*\*\* will be useful for labile drugs that are affected by moisture. The disintegration time of gelatin **capsules** filled with a macrolide antibiotic having an aldehyde group was extensively prolonged after storage for 10 days under the condition of 60 degree C and 75%R. H. However, the disintegration time of HPMC **capsules** did not change. More than 75% of acetaminophen dissolved within 15 min from both **capsules**, although the initiation time of dissolution from HPMC **capsules** delayed about 3 min compared with gelatin **capsules**. These results show that HPMC \*\*\*capsules\*\*\* overcome some problems which the conventional gelatin \*\*\*capsules\*\*\* have in formulation study.  
CONCEPT CODE: Biochemistry studies - General 10060  
Pharmacology - General 22002  
INDEX TERMS: Major Concepts  
Biochemistry and Molecular Biophysics; Pharmacology  
INDEX TERMS: Chemicals & Biochemicals  
CELLULOSE; HYDROXYPROPYLMETHYLCELLULOSE\*\*  
\*  
INDEX TERMS: Miscellaneous Descriptors  
BENZODIAZEPINES; DIPEPTIDES; DRUG DISCOVERY; HYDANTOINS;  
POLYSTYRENE-BASED SOLID SUPPORT; SYNTHETIC METHOD  
REGISTRY NUMBER: 9004-34-6D ( \*\*\*CELLULOSE)  
9004-65-3 (HYDROXYPROPYLMETHYLCELLULOSE)  
L117 ANSWER 61 OF 62 BIOSIS COPYRIGHT (c) 2007 The Thomson Corporation on STN  
ACCESSION NUMBER: 1993:121613 BIOSIS Full-text  
DOCUMENT NUMBER: PREV199395065713  
TITLE: Enhancement of drug release from **ethylcellulose** **microcapsules** using solid **sodium chloride** in the wall.  
AUTHOR(S): Tirkkonen, Sirpa [Reprint author]; Paronen, Petteri  
CORPORATE SOURCE: Dep. Pharmaceutical Technol., Univ. Kuopio, P.O. Box 6, SF-70211 Kuopio, Finland  
SOURCE: International Journal of Pharmaceutics (Amsterdam), (1992) Vol. 88, No. 1-3, pp. 39-51.  
CODEN: IJPHDE. ISSN: 0378-5173.  
DOCUMENT TYPE: Article